



IV. Application

A. Ocean Currents' Effects

1. How do you think the temperature of an ocean current could affect weather on the coast?

2. How do ocean currents affect sailing ships?



B. Ocean Currents and Marine Life

1. How could ocean currents affect microscopic marine life?

2. How could ocean currents affect large marine creatures such as whales?

- Click "Back" until you get back to the OAR Ocean Currents Application site.
- Click "Enrichment".

V. Enrichment Activities

A. Research

1. Research "density currents". Relate density currents to "upwelling".
2. Find out how upwelling is related to El Nino.
3. Research the different types of sailing vessels used by traders in the 1500's through the 1900's. How did the materials used to build the vessels change? How did the sails change? How did the navigation change?
4. Research "doldrums" and "horse latitudes." Why were these areas named this way?

B. Related Web Sites

1. Tropical Atmosphere Ocean Array
<http://www.pmel.noaa.gov/tao/select/timeselect.html>
2. World Ocean Current Experiment site.
http://kepler.oce.orst.edu/cmdac/woce_experiments/acm7/acm7_1/mta01589.htm
3. Average Atlantic Current Velocity site.
<http://www.aoml.noaa.gov/phod/graphics/atlanticvel.gif>
4. Langrarian Drifter Float site.
<http://www.aoml.noaa.gov/phod/graphics/drifterfig.gif>